

Work Order ID 68376

Tuesday, April 12, 2011 1:10:50 PM



PRELIMINARY ISSUE

Page 1

Item ID: D4334-7

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: Fairing

Start Date: 4/12/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 4/15/2011 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan: mf

Date: 11-04-12

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4334

PA8

100

0.00



HandThermo

Memo

0.00

Hand Finishing Thermoforming

1-Cut Sheet to required Blank size

x1

DL
11/04/12

105

0.00



HandThermo

Dry Material

Memo

0.00

Hand Finishing Thermoforming

Dry Sheet as per QSI022 POLYCARBONATE
Temp: 240°F

Time IN: 4:00 am

11/04/11

Time OUT: 7:00 am

11/04/12

x1

DL
11/04/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

W/O:		WORK ORDER CHANGES					
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NOTE: Date & initial all entries

Work Order ID 68376

Tuesday, April 12, 2011 1:10:51 PM



Page 3

Item ID: D4334-7

Accept



Setup Start



Revision ID: PRELIM

Stop



Item Name: Fairing

Start Date: 4/12/2011 Start Qty: 1.00



Cust Item ID:

Required Date: 4/15/2011 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140		0.00							
	HandThermo	0.00				x/			OK
Hand Finishing Thermoforming	Memo 1-Trim to finished dimensions as per Dwg								11/04/13
150	QC2- Inspect parts off machine FAI/FAIB	0.00							
	QC	0.00				x/			OK
Quality Control	Memo Complete FAI document								11/04/14
160	QC5- Inspect part completeness to step on W/O	0.00							
	QC	0.00							
Quality Control	Memo JH-03 page only etc Per e-mail								

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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NOTE: Date & initial all entries

[illegible]

Page 4

Accept

[illegible]**Setup Start**[illegible]

Stop

[illegible]

Abstract

Cust Item ID:[illegible]

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start

[illegible]

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

[illegible]

**Insp.
Stamp**

0.00

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

Packaging

Memo

0.00

Packaging

0.00

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. The second step is to define the objectives and goals of the project. This involves determining what you want to achieve and how you will measure success.

3. The third step is to develop a plan of action. This involves identifying the steps that need to be taken to achieve the objectives and goals.

4. The fourth step is to implement the plan. This involves putting the plan into action and monitoring progress.

5. The fifth step is to evaluate the results. This involves assessing the outcomes of the project and determining whether the objectives and goals have been achieved.

6. The sixth step is to report on the results. This involves communicating the findings of the project to the relevant stakeholders.

7. The seventh step is to reflect on the process. This involves thinking about what worked well and what could be improved for future projects.

8. The eighth step is to share the results. This involves making the findings of the project available to others who may be interested.

9. The ninth step is to celebrate success. This involves acknowledging the achievements of the team and celebrating the successful completion of the project.

10. The tenth step is to learn from the experience. This involves reflecting on the project and identifying lessons learned that can be applied to future projects.

QC

Memo

0.00

Quality Control

POSITIVE RECALL

EFFECTIVE 11/21/73 AUTH U

RELEASED _____ DATE _____

RP
2370

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Tuesday, April 12, 2011 1:10:45 PM

Page 1

Work Order ID: 68376



Parent Item: D4334-7



Parent Item Name: Fairing

Start Date: 4/12/2011

Required Date: 4/15/2011

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev. A New Issue 11/04/012 DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MLEXS.125-F60029-04 Purchased No



GE PLASTICS LEXAN SHEET

100 sf 2,844.715 3.46875 3.46875



Location

Loc Qty

Loc Code

MAT018

2844.715789

112585

56

115261

768

116236

2020.71579

3,468.75 *g* *DL*

DL
11/04/14

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order: 68376
Description:	Part Number: D4334-7
Inspection Dwg: D4334-7 Rev: PA8.	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST
THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than <u>1/4</u> "	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

Measured by: DL

Date: 11/04/13

TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
7.67"	± 0.030	7.5675"	✓		Tape DL-01	see attached
6.13"	± 0.030	6.175"	✓		Tape DL-01	6.15
2.10"	± 0.030	2.137"	✓		Vern DL-02	2.15
2.88"	± 0.030	2.89"	✓		Vern DL-02	2.80
3.63"	± 0.030	3.606"	✓		Vern DL-02	

Measured by: DL

Date: 11/04/13

Audited by: PAE for ema.1

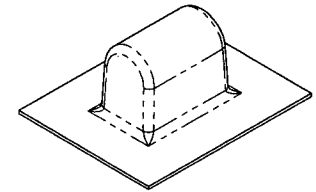
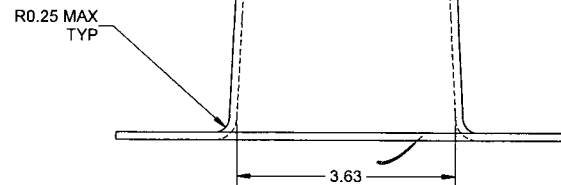
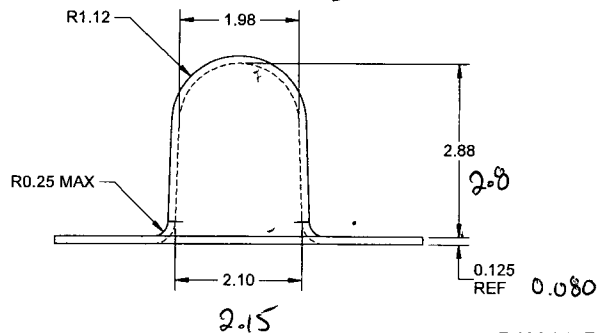
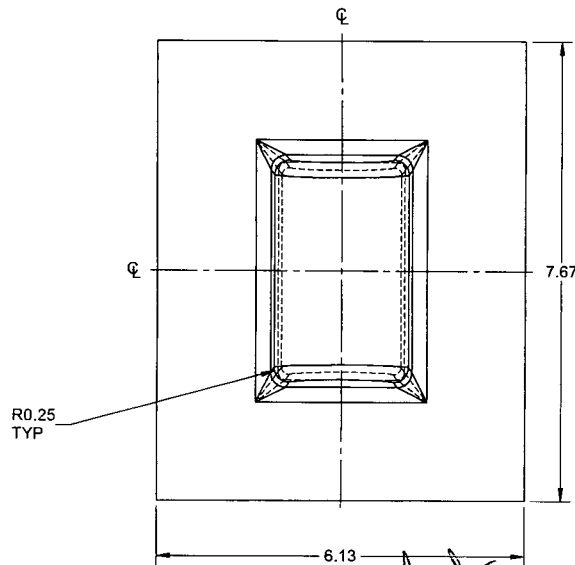
Date: 11/01/14

Preliminary Approval: PAE for ema.1
Not signed

Date: 11/01/14

Rev	Date	Change	Revised by	Approved
B	10.04.14	Added preliminary approval	KJ	



10.04.14



D4334-7 FAIRING

NOTES:

- 1) MATERIAL: F60029-GY3778 GREY LEXAN SHEET (HEAVY HAIRCELL TEXTURE) , 0.125 THICK
REF DART SPEC MLEXS.125-F60029-04
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.40 lbs
- 8) THERMOFORM USING DTXXXX MOULD

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA8
MFG. APPR.		D4334	SHEET 5 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BRACKET	NTS
DATE	11.02.10	COPYRIGHT © 2011 BY DART AEROSPACE LTD	
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NOTE: Date & initial all entries

Daryl Leger

From: Daniel Campbell <dcampbell@dartaero.com>
Sent: Monday, April 04, 2011 9:16 AM
To: 'Daryl Leger'
Cc: 'JEANLUC MENARD'; Bill Beckett; 'Linda Lacelle'; 'Harvey Siemens'; 'Mike Petsche'
Subject: D4323 & D4380 - Parts can be untrimmed

To Whom It May Concern,

The parts with p/n's D4323-XX and D4380-XX can be shipped to Calgary untrimmed, or even slightly out of spec in order to get parts here asap so they can be installed on the Westpac machine.

Thanks,

Daniel Campbell
Mechanical Engineer
DART Aerospace Ltd.

P: 403-717-0325
F: 403-717-1288
E: dcampbell@dartaero.com
W: www.dartaero.com
M: 1060 McTavish Road, NE, Calgary, Alberta, T2E 7G6

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Daryl Leger

From: Daniel Campbell <dcampbell@dartaero.com>
Sent: Thursday, April 14, 2011 3:32 PM
To: 'Daryl Leger'
Cc: 'Harvey Siemens'; 'Mike Petsche'
Subject: D4334-7 Fairing Dims

Hi Daryl,

As per our phone conversation, please ship the D4334-7 part even though the dims are slightly out of tolerances as per the dwg.

Cheers,

Daniel Campbell
Mechanical Engineer
DART Aerospace Ltd.

P: 403-717-0325
F: 403-717-1288
E: dcampbell@dartaero.com
W: www.dartaero.com
M: 1060 McTavish Road, NE, Calgary, Alberta, T2E 7G6

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